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The Front-end Layout

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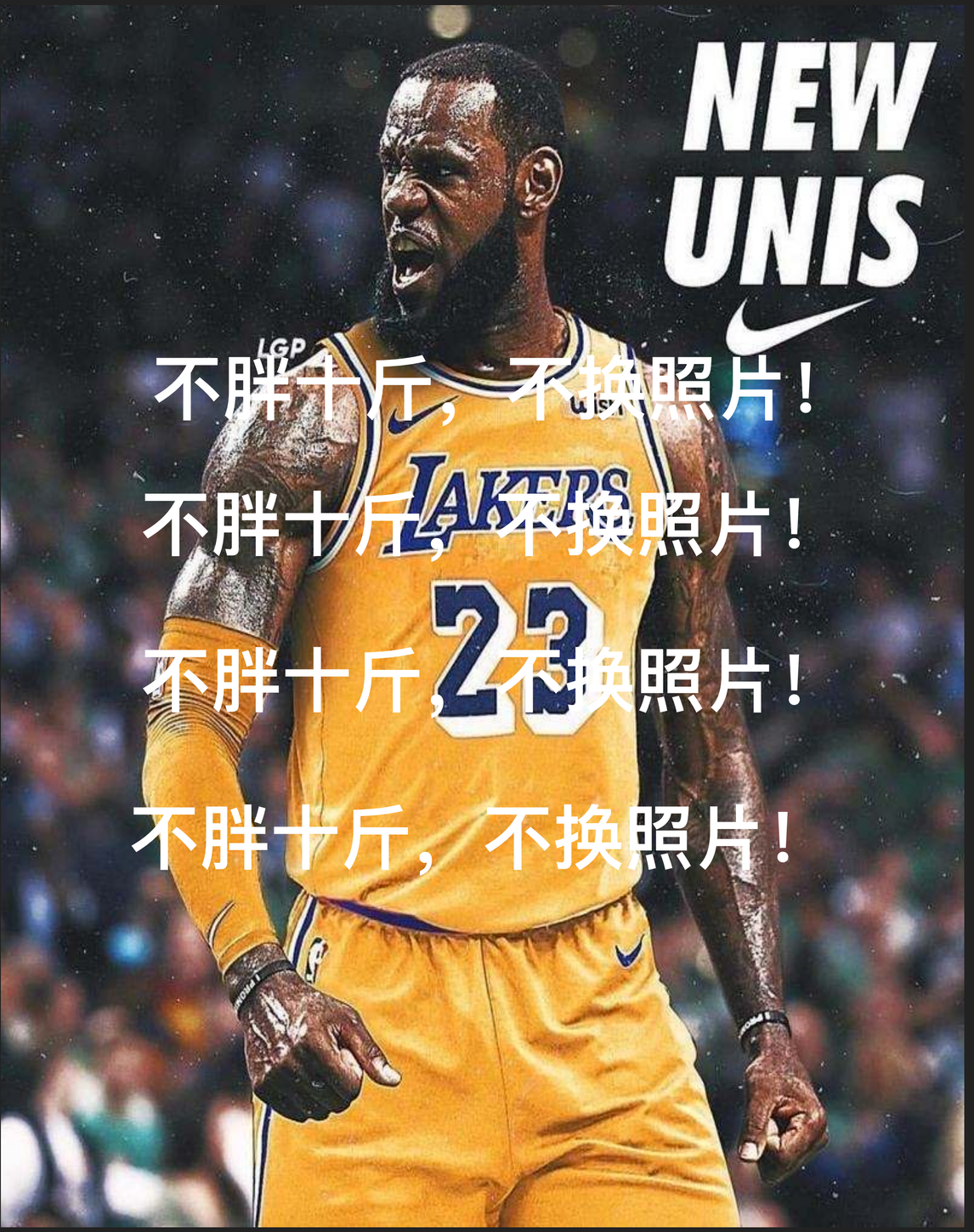

Self-Introduction

- **Name:** Eason Li　李景华
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- **Domain:** JAVA/JS/DDD/Microservice
- **Experience:** 4 Years
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What is the front-end layout ?

The Front-end Layout

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Layout is the process that specify the location of page element combined with style depend on web design

- Depending on web design.
- Specify the location of page element.
- Combining with CSS style.

What is the good layout ?

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- *Be consistent with the design*
- *Adapt to document stream*
- *Ideographic*
- *Maintainable*

Example

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Example

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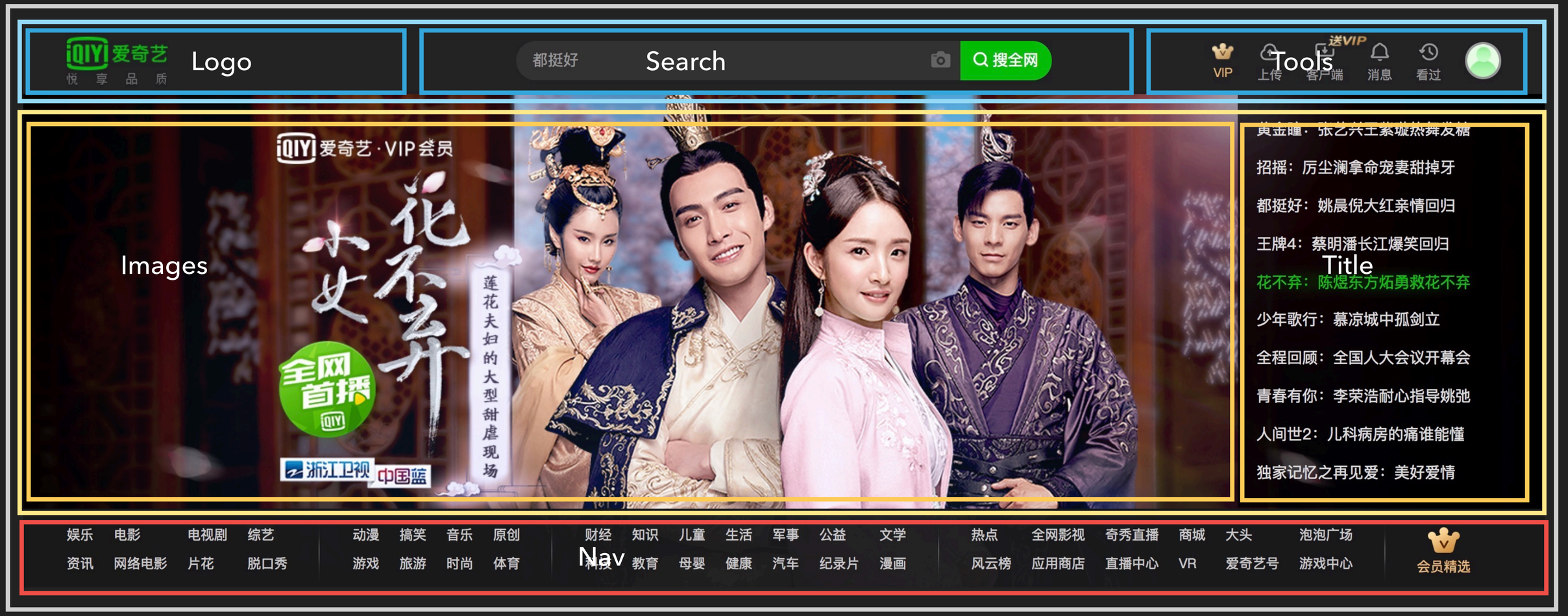

Page

Example

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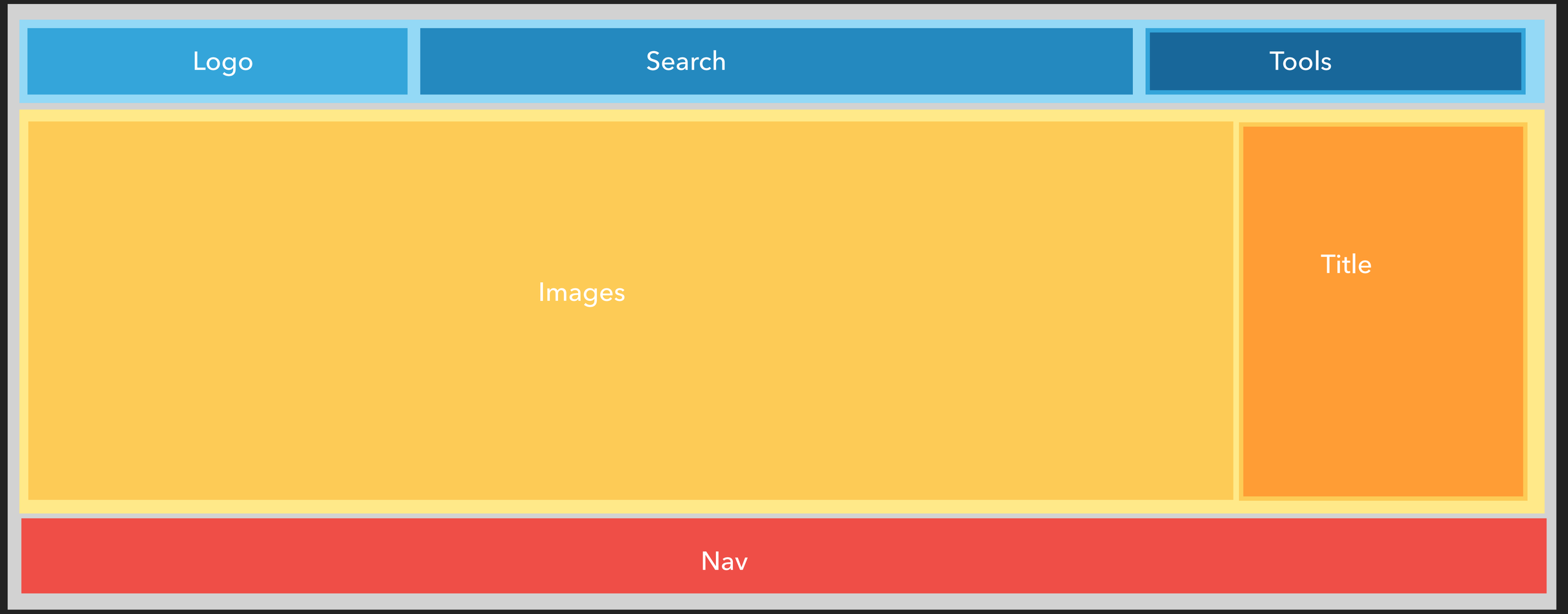

CSS Box Model

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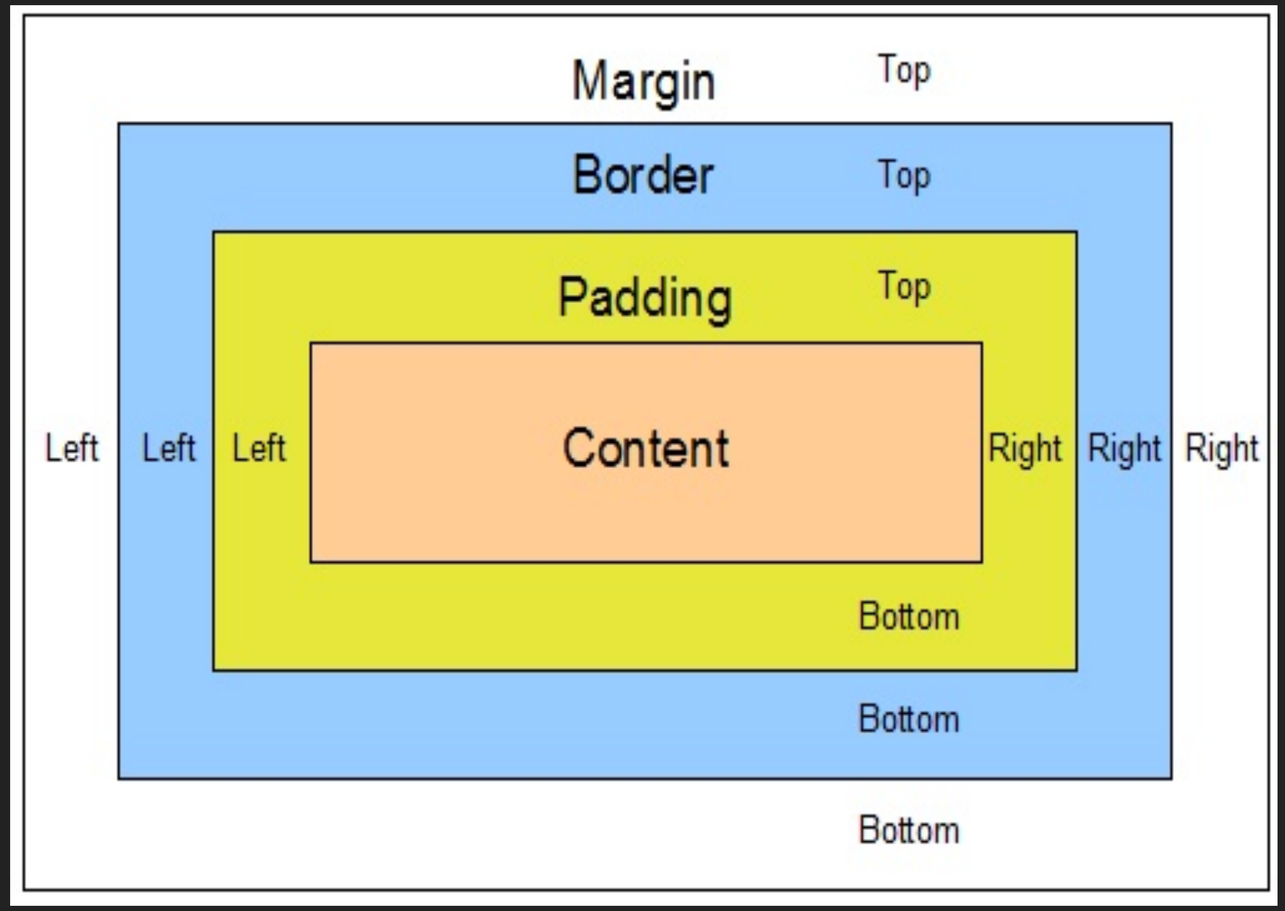
box-sizing: content-box / border-box

- *border-box*:
  - *contentWidth = width - padding - border*
- *content-box:*
  - *elementWidth = width + padding + border*
- *default*: *border-box*



Classification Of Page Element

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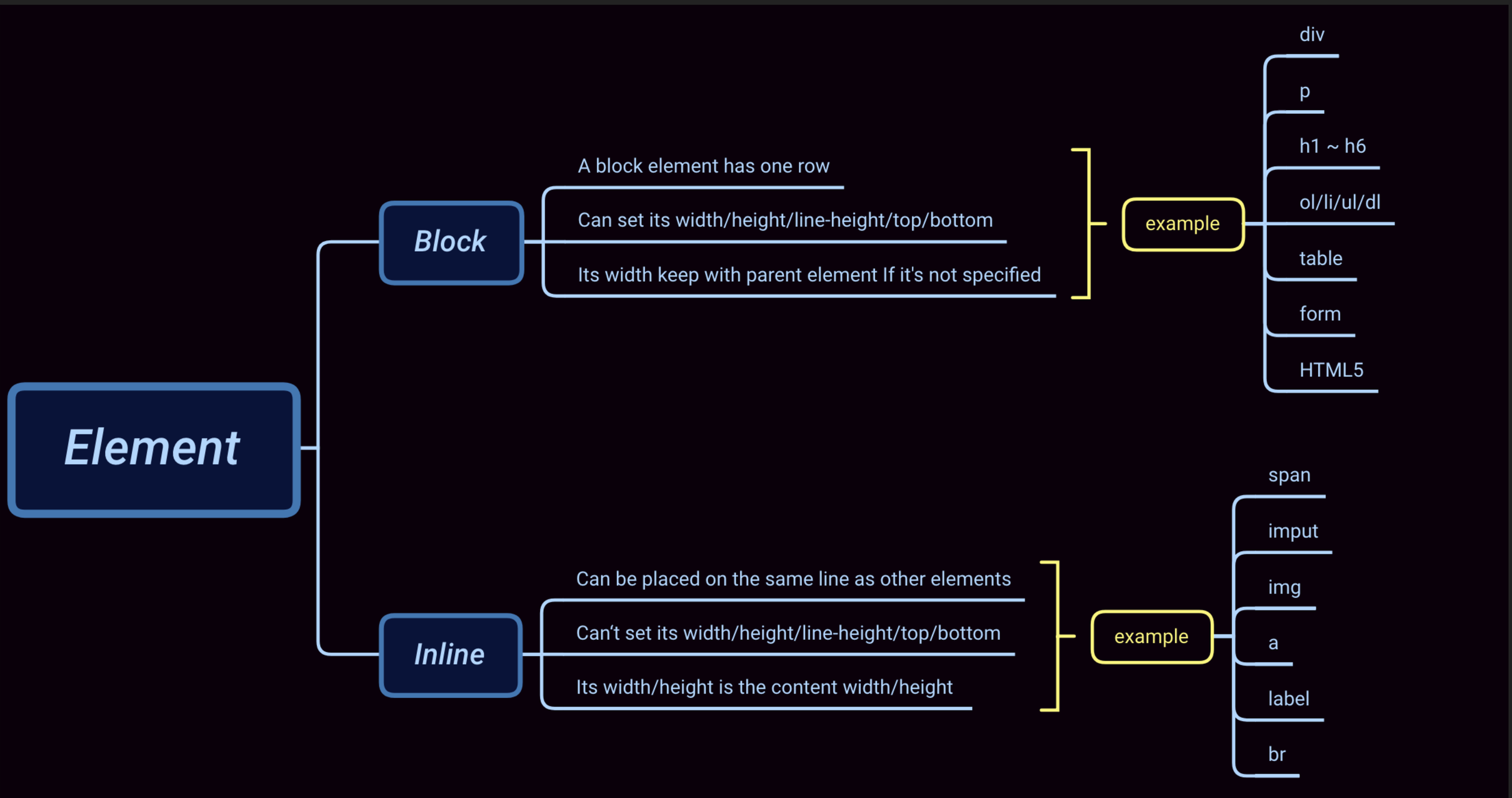

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How to layout ?

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DIV + CSS

Absolute Positioning

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Table 1

Value	Description
static	*Default value. Elements render in order, as they appear in the document flow*
absolute	*he element is positioned relative to its first positioned (not static) ancestor element*
fixed	*The element is positioned relative to the browser window*
relative	*The element is positioned relative to its normal position, so "left: 20px" adds 20 pixels to the element's LEFT position*

```
div {
    position: fixed;
    left: 100px;
    top: 100px;
    height: 300px;
    width: 400px;
}
```

Float

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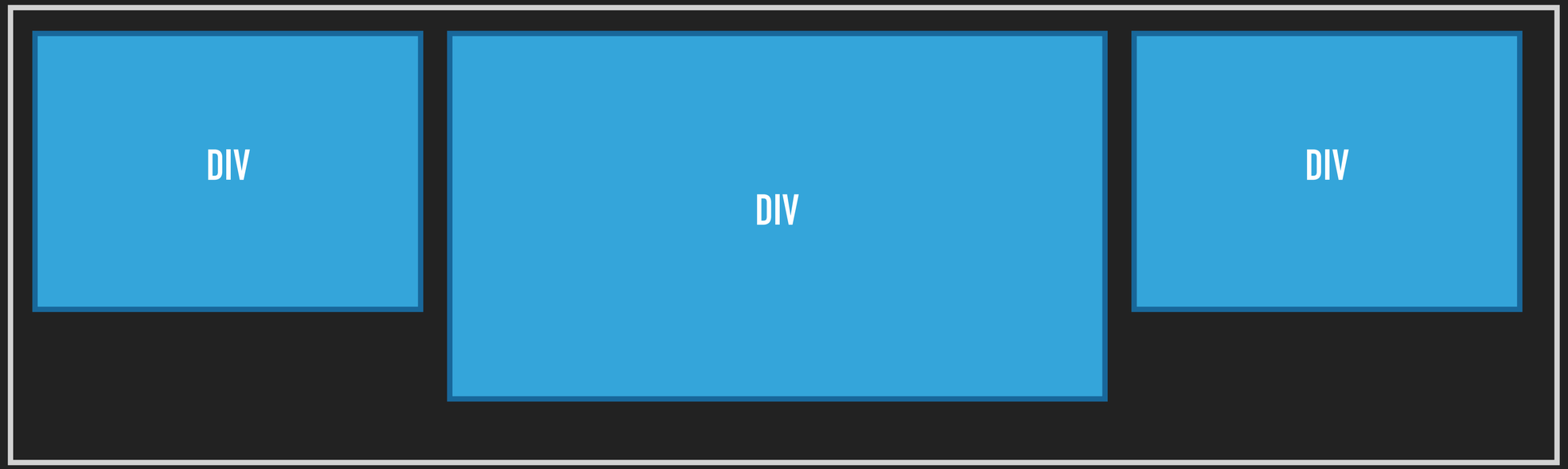
float : left / right;



display: inline-block;

Percentage

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height/width : auto / length / %;

Table 1

Value	Description
auto	*Default value. The browser calculates the width*
length	*Defines the width in px, cm, etc.*
%	*Defines the width in percent of the containing block*

Other Layout

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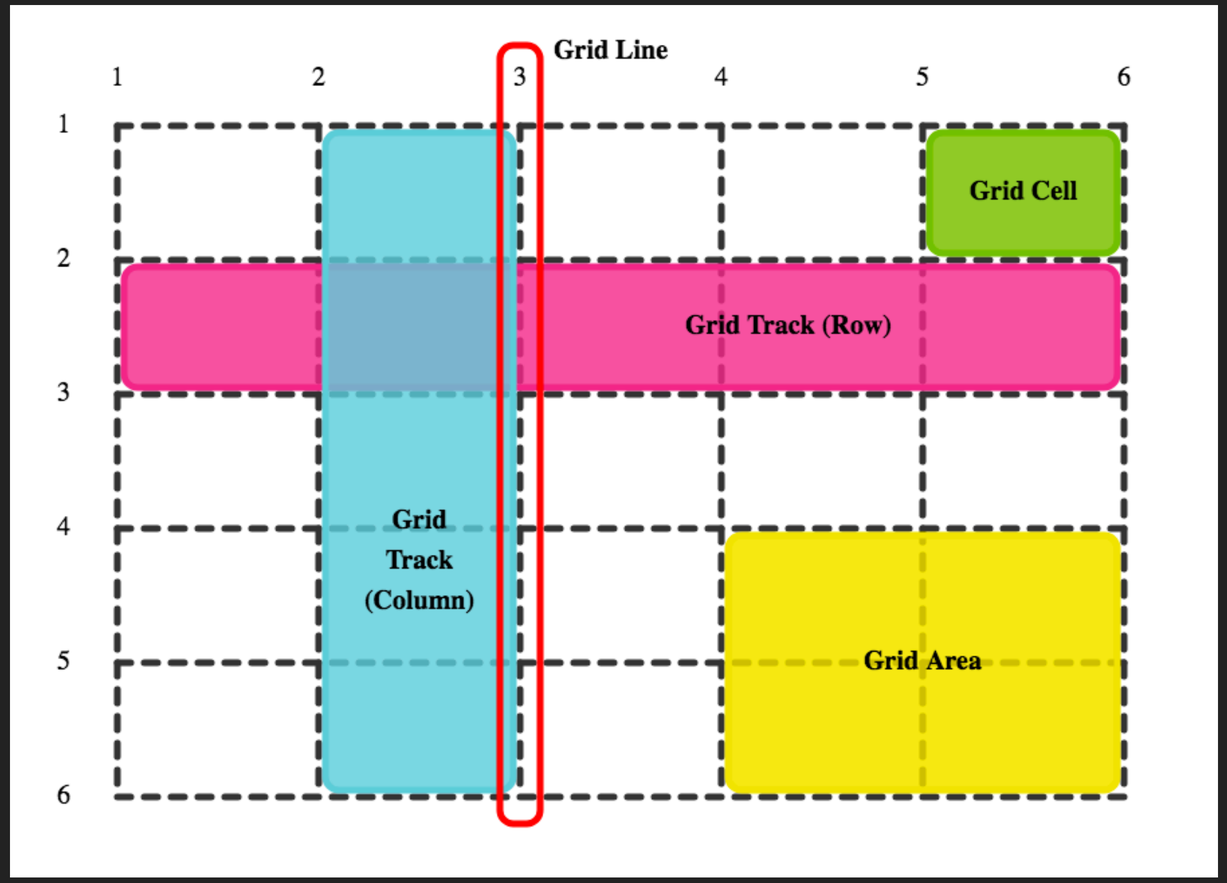
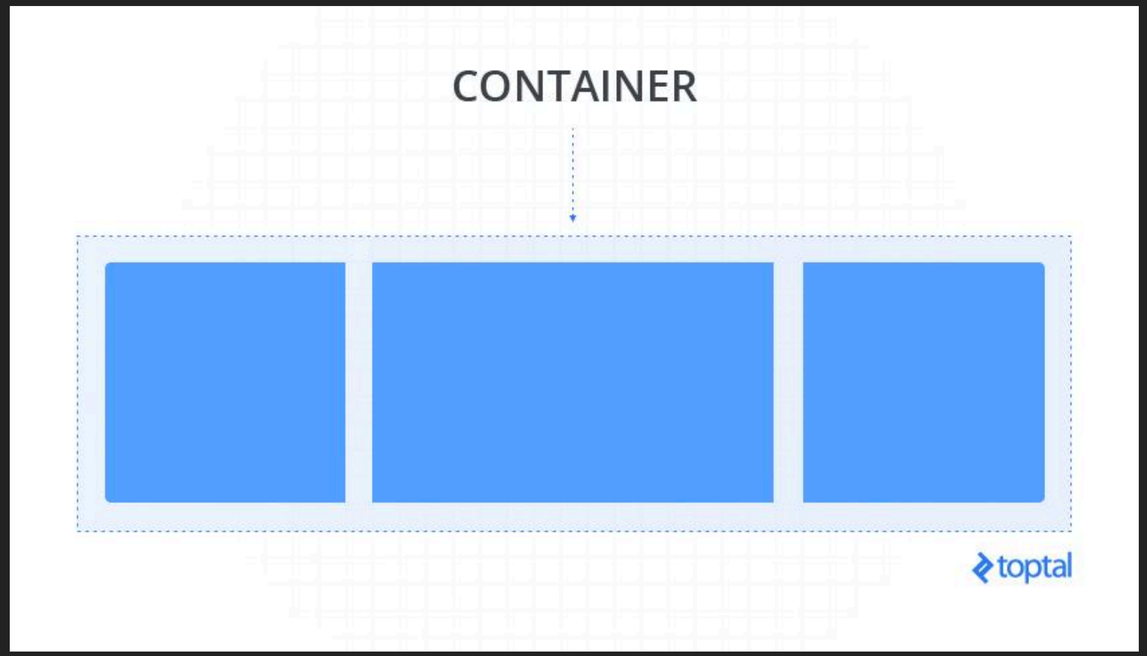
Grid



Flex



Summary

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- What is the front-end layout ?
- What is the good layout ?
- What is CSS Box Model ?
- How to classify page elements ?
- What are the common layout methods ?

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Thank you!

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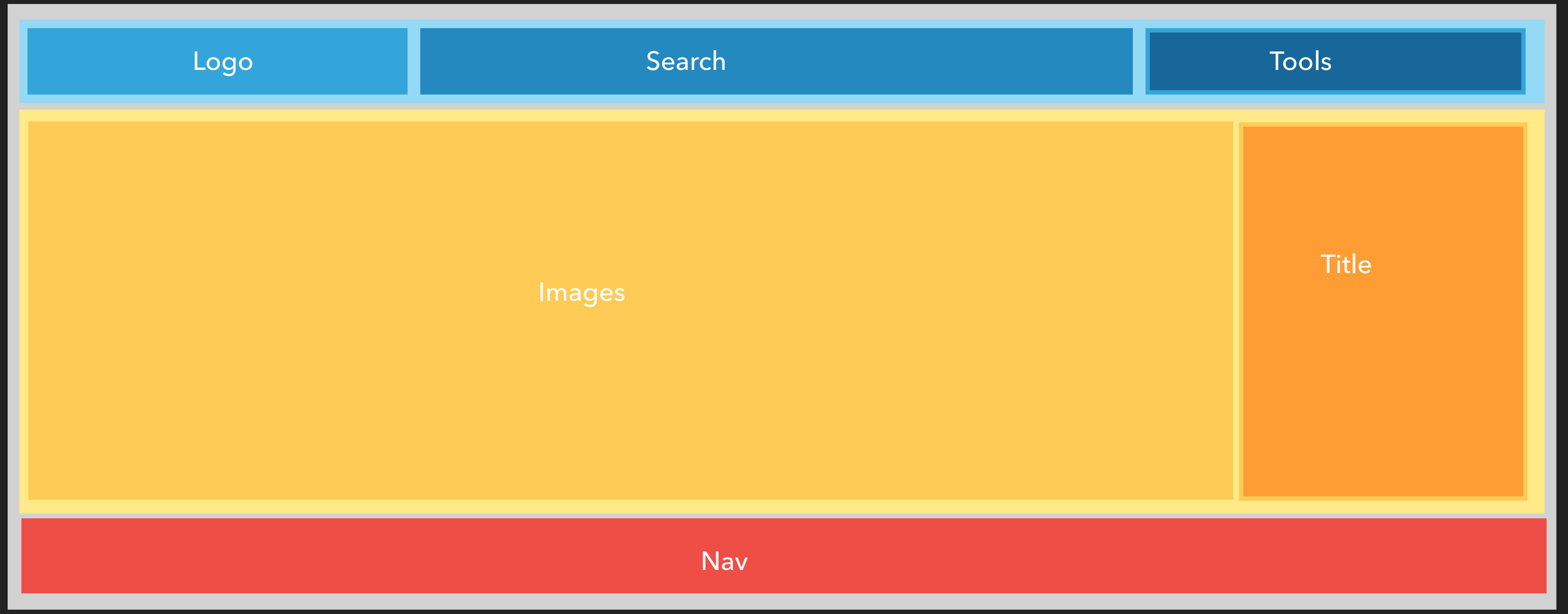
Homework

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